Index of Claims

10/707,182 Examiner

Jason Benton

Applicant(s)/Patent under Reexamination

NATION ET AL.

Art Unit

3747

| / | Rejected | _ | (Through numeral) Cancelled |
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| Cla  | aim      |                    |                |           | С        | ate      | <del>)</del> |          |   |          |   | CI          | aim      |                     |          |          | Da      | te                 |                  |             |   | CI    | aim        |                 |                 |          |        | Date     | •              |                 |           |          |
|--|----------|--------------------|----------------|-----------|----------|----------|--------------|----------|---|----------|---|-------------|----------|---------------------|----------|----------|---------|--------------------|------------------|-------------|---|-------|------------|-----------------|-----------------|----------|--------|----------|----------------|-----------------|-----------|----------|
|  | <u>—</u> | ٦                  |                |           | T        |          |              |          |   |          |   |             | <u></u>  |                     | T        |          |         |                    | П                |             |   |       | <u>a</u>   |                 |                 |          |        |          |                | T               | Ţ         |          |
| Final  | Original | 50/27/3            |                | 1         |          | - 1      |              |          |   |          |   | Final       | Original |                     |          |          |         |                    |                  |             |   | Final | Original   |                 |                 |          |        |          |                | . 1             |           | ļ        |
| iĒ   | Ĕ        | 7                  |                |           |          |          |              |          |   |          |   | ΙŒ          | ٦        | 1 1                 | 1        |          |         |                    |                  |             |   | ίĽ    | , j        |                 |                 |          |        |          |                |                 |           | - 1      |
|  |          | 10                 |                |           |          | 1        |              |          | L   | •        |   | L           |          |                     |          |          |         |                    | Ш                | $\bot$      |   |       |            |                 |                 |          | _      |          |                | ightharpoonup   | _         | _        |
|  | 1        | V                  |                | $ \bot $  |          |          |              |          |   |          |   |             | 51       | Ш                   |          | $\perp$  | 丄       |                    | Ш                |             |   |       | 101        |                 |                 |          |        |          |                | $\rightarrow$   | _         | _        |
|  | 2        | $\mathbf{\Lambda}$ |                |           |          |          |              |          |   |          |   |             | 52       | Ш                   |          |          |         |                    |                  |             |   |       | 102        |                 | Ш               |          |        |          | Ш              | $\Box$          | $\dashv$  |          |
|  | 3        | Щ                  | Ш              |           | $\Box$   |          | $\Box$       |          |   |          |   |             | 53       |                     |          | _        |         |                    | $\sqcup$         | $\perp$     |   |       | 103        | Ш               | Ш               |          |        |          |                | $\dashv$        | _         | _[       |
|  | 4        | Ш                  |                | _         |          | _        |              |          |   |          |   | L           | 54       | $\sqcup$            | _        |          | _       | _                  | Ш                |             |   |       | 104        |                 | Ш               | _        | $\Box$ |          |                | _               | _         | _        |
|  | 5        | Щ                  |                | _         |          | _        |              |          |   |          |   | <u> </u>    | 55       |                     |          | _        | ┸       |                    | $\sqcup$         |             |   |       | 105        | Ш               | Ш               |          |        |          |                | _               | _         | _        |
|  | 6        | J.                 |                | _         |          |          |              |          |   |          |   | <u> </u>    | 56       |                     | _        |          |         |                    | $\sqcup$         |             |   |       | 106        |                 |                 |          |        |          |                | $\dashv$        | 4         | _        |
|  | 7        | Ľ                  |                | _         | _        | _        | _            |          | <u> </u>  | 匚        |   | ļ           | 57       | Ш                   | _        | $\perp$  | 4       | 4_                 | $\sqcup$         |             |   |       | 107        |                 | Ш               |          |        |          |                | _               | _         |          |
| <u> </u>   | 8        | ~                  | Ш              |           | _        | _        | $\dashv$     |          | <u> </u>  |          |   |             | 58       |                     | _        | 4        | 4       | ╄                  | $\sqcup$         | _ _         |   |       | 108        |                 | Ш               | _        |        |          | _              | 4               | _         | ᆜ        |
|  | 9        | _                  |                | 4         | _        | _        | _            |          | L_  |          |   |             | 59       | $\sqcup$            | _        | 4        | _       | ↓_                 |                  |             | 1 |       | 109        |                 | $\sqcup$        | _        |        |          | $\Box$         | _               | _         | _        |
| L  | 10       |                    |                | _         | _        | _        | _            |          |   | _        |   | <u> </u>    | 60       | $\sqcup$            | _        | _        | 4_      | ↓_                 | ┵                |             |   |       | 110        |                 | Щ               | _        |        |          |                | $\dashv$        | _         | _        |
|  | 11       | <u> </u>           | Ш              | _         | _        |          | $\Box$       |          | $oxed{\!$ | _        |   | <u> </u>    | 61       | $\sqcup$            | $\dashv$ | $\perp$  | 4       | $oldsymbol{\perp}$ | $\sqcup$         | _           |   |       | 111        | Щ               | $\sqcup$        | _        |        | Ш        |                | Щ.              | _         | _        |
|  | 12       | <u> </u>           | Ш              | _         | _        | _        | $\dashv$     | Ш        | <u> </u>  | _        |   | <u> </u>    | 62       | $\sqcup$            | $\perp$  | 4        | $\perp$ | $\perp$            | $\vdash$         | -           | 4 |       | 112        | Ш               | $\sqcup$        | =        |        |          | -              |                 |           | _        |
|  | 13       | <u> </u>           | Ш              | _         | 4        | _        | $\dashv$     | <u> </u> | <u> </u>  | <u> </u> |   | <u> </u>    | 63       | $\sqcup$            | _        | 4        | +       | +                  | $\vdash \vdash$  |             | 4 |       | 113        | Щ               | $\vdash \vdash$ |          |        |          | Щ              | $\dashv$        | -         | ᅴ        |
| <u></u>  | 14       | $\vdash$           |                | $\dashv$  | _        | _        | _            | <u> </u> | <b> </b>  | _        |   | <u> </u>    | 64       | $\sqcup$            | $\dashv$ | 4        | +       | +                  | $\vdash \vdash$  | - -         | 4 |       | 114        |                 | $\vdash$        | -        |        | Щ        | Щ              | $\dashv$        | -         |          |
| <u></u>  | 15       |                    | Н              |           | 4        | _        |              | Щ        | <u> </u>  | $\vdash$ |   | <u> </u>    | 65       | $\sqcup$            | +        | +        | +       | +-                 | $\vdash$         | - -         | 4 | •     | 115        | $\vdash \vdash$ | $\vdash \vdash$ | $\dashv$ |        | $\dashv$ |                | $\rightarrow$   | $\dashv$  | $\dashv$ |
| <u></u>  | 16       | $\vdash$           | $\vdash$       |           | 4        |          |              | Ь        | <u> </u>  | ₩        |   | <u> </u>    | 66       | $\vdash$            | $\dashv$ | 4        | +       | +                  | $\vdash$         | +           | 4 |       | 116        | H               | $\vdash \vdash$ | -        | -      |          |                | -               | 4         | $\dashv$ |
| <u> </u>   | 17       | <u> </u>           | $\vdash$       | 4         |          | _        | $\dashv$     | _        | <del> </del>  | <u> </u> |   | <u> </u>    | 67       | $\vdash$            | $\dashv$ | +        | +       | +-                 | $\vdash$         | +           | 4 |       | 117        | $\vdash$        | $\vdash \vdash$ | -        |        | $\vdash$ | $\dashv$       | $\dashv$        | $\dashv$  | $\dashv$ |
|  | 18       | L                  | $\blacksquare$ | $\dashv$  | -        | $\dashv$ |              |          | ⊢   |          |   | <u> </u>    | 68       | <del> </del>        | $\dashv$ |          | 4       | +                  | $\vdash$         | -           |   |       | 118        |                 |                 | _        |        |          |                | $\dashv$        | $\dashv$  | $\dashv$ |
| <u> </u>   | 19       | $\vdash$           | $\vdash$       | $\dashv$  | -        | _        | $\dashv$     | $\vdash$ | $\vdash$  | <u> </u> |   | <u> </u>    | 69       | $\vdash \downarrow$ | $\dashv$ | +        | +       | +-                 | $\vdash$         | +           | 4 |       | 119        | $\vdash$        | $\vdash \vdash$ | $\vdash$ |        | Н        | -              | $\dashv$        | -         | $\dashv$ |
|  | 20       | ├-                 |                | -         | -        | -        |              |          | <u> </u>  | H        |   | <u> </u>    | 70       | $\vdash$            | $\dashv$ | +        | +       | +                  | $\vdash$         | -           | 1 |       | 120        |                 |                 |          |        | $\vdash$ | $\vdash\vdash$ | $\dashv$        | $\dashv$  | $\dashv$ |
| -  | 21       | <u> </u>           | Ш              | -         | -        | _        | _            |          |   | <u> </u> |   | -           | 71       | $\vdash$            | +        |          | +       | +                  | ┢┉┼              |             | 4 |       | 121        | -               | $\vdash$        | _        |        | Н        |                | -               |           | 긕        |
| <u> </u>   | 22       | <u> </u>           |                | -         |          | _        | -            |          | ⊢   | <u> </u> |   |             | 72       | ┦                   |          | -        |         | +-                 | ┤┤               |             | 4 |       | 122        | _               | H               |          | _      | Н        | $\vdash$       | $\dashv$        | $\dashv$  | $\dashv$ |
| -  | 23       | <del> </del>       | _              |           | -        | $\dashv$ | _            | _        | ⊢   | -        |   | <u> </u>    | 73<br>74 | $\vdash$            | -        | -        | +       | +                  | $\vdash$         | _           | - |       | 123<br>124 | ├               | $\vdash$        | _        |        |          | $\vdash$       | $\dashv$        | $\dashv$  | $\dashv$ |
| -  | 24       |                    |                |           | $\dashv$ | -        | -            |          | ⊢   | <u> </u> |   | -           | 75       | ┨                   | +        | +        |         | ╀                  | $\vdash$         | _           | - |       | 125        | -               | $\vdash$        | -        | -      | Н        | Н              | $\vdash$        | $\dashv$  | ᅱ        |
| <u> </u>   | 25       | <del> </del>       | $\vdash$       | -         | $\dashv$ |          |              | _        | -   | ⊢        |   | <u> </u>    |          | $\vdash$            | -+       |          |         | ┿                  | ╁┼               |             | - |       | 126        | -               | $\vdash$        |          |        | $\vdash$ | Н              | -               | $\dashv$  |          |
|  | 26<br>27 | ⊢                  |                | ᅱ         | $\dashv$ |          |              | _        | -   | H        |   | <u> </u>    | 76<br>77 | ╁                   | -        | +        |         | ╁                  | ╁                |             | - |       | 127        | -               | $\vdash$        |          |        | -        | Н              | $\vdash$        | $\dashv$  | -        |
| -  | 28       | -                  | $\vdash$       | $\dashv$  | -        | -        | -            | -        | ⊢   | $\vdash$ |   | <del></del> | 78       | ╂─┤                 | +        | +        | +-      | +                  | $\vdash$         | -           | 1 |       | 128        |                 | $\vdash$        | _        |        | -        |                | $\vdash$        | -         | -        |
| -  | 29       | -                  |                | $\dashv$  | -        | $\dashv$ | $\vdash$     |          | $\vdash$  | $\vdash$ |   |             | 79       | $\vdash$            | -        | +        | +       | +                  | $\vdash$         | +           | 1 | -     | 129        | H               | H               |          |        | H        | Н              | $\vdash$        | $\dashv$  | $\dashv$ |
|  | 30       | -                  | -              | $\dashv$  | $\dashv$ |          | $\dashv$     |          | $\vdash$  | ╌        |   |             | 80       | $\vdash$            | -+       | +        | +       | ╁                  | +                |             | 1 |       | 130        | $\vdash$        | $\vdash$        |          |        | $\vdash$ | Н              | $\vdash$        | $\dashv$  | _        |
|  | 31       | <u> </u>           | Н              | -         | $\dashv$ | $\dashv$ |              |          | ⊢   | H        |   | <u> </u>    | 81       | $\vdash$            | $\dashv$ | +        | +-      | +-                 | $\vdash$         | <del></del> | 1 |       | 131        | -               | $\vdash$        |          |        | Н        | Н              | $\vdash$        | $\dashv$  | $\dashv$ |
| <b>-</b>   | 32       | ┢                  | Н              | $\dashv$  | $\dashv$ | $\dashv$ |              | -        | ├-  | $\vdash$ |   | $\vdash$    | 82       | $\vdash \vdash$     | $\dashv$ | +        | +       | +                  | $\vdash \vdash$  | +           | 1 |       | 132        | $\vdash$        | $\vdash \vdash$ |          |        | Н        | Н              | $\dashv$        | $\dashv$  | $\dashv$ |
| <del> </del>                                     | 33       | -                  | $\vdash$       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$     |          | $\vdash$  |          |   | <b>-</b>    | 83       | H                   | $\dashv$ | +        | +       | +                  | ++               | $\dashv$    | 1 |       | 133        | $\vdash$        | $\vdash$        | $\vdash$ |        | H        | Н              | $\sqcap$        | $\dashv$  | $\dashv$ |
| <del>                                     </del> | 34       | $\vdash$           | $\vdash$       | ᅱ         |          |          |              |          | $\vdash$  | H        |   | $\vdash$    | 84       | +                   | $\dashv$ | +        | +       | +                  | $\vdash$         | $\dashv$    | 1 |       | 134        | $\vdash$        | H               |          |        | Н        | H              | $\dashv$        | $\dashv$  | $\dashv$ |
| $\vdash$   | 35       |                    | $\vdash$       | ᅥ         | -        | $\dashv$ | $\dashv$     |          | $\vdash$  | $\vdash$ |   | <u> </u>    | 85       | H                   | $\dashv$ | 十        | +       | +                  | $\vdash$         | $\dashv$    | 1 |       | 135        | -               |                 |          |        | $\vdash$ | Н              | $\neg$          | -         | $\dashv$ |
| $\vdash$   | 36       |                    |                | $\dashv$  | 7        | $\dashv$ | $\dashv$     | $\vdash$ | ┢   |          |   | -           | 86       | H                   | $\dashv$ | $\dashv$ | - -     | ╁                  | <del>     </del> | $\vdash$    | 1 |       | 136        | _               | $\vdash$        | $\dashv$ |        | $\vdash$ | -              | $\dashv$        | $\dashv$  | 一        |
| $\vdash$   | 37       | <u> </u>           | $\vdash$       | 一         | ᅥ        | $\dashv$ |              | $\vdash$ | $\vdash$  | $\vdash$ |   | $\vdash$    | 87       | Н                   | $\dashv$ |          | +       | +                  |                  | +           | 1 | -     | 137        | _               | H               | _        |        | Н        | Н              | $\dashv$        | $\dashv$  | $\dashv$ |
|  | 38       |                    | $\vdash$       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$     |          | $\vdash$  | $\vdash$ |   | -           | 88       | Н                   | $\dashv$ | +        | +       | †                  | +                | T           | 1 |       | 138        |                 | $\vdash$        |          |        | $\vdash$ | Н              | $\sqcap$        | $\dashv$  | 一        |
| <b>—</b>   | 39       |                    | Н              | 一         | $\dashv$ | $\dashv$ |              | $\vdash$ | <del>                                     </del>                                |          |   |             | 89       | $\vdash$            | $\dashv$ | $\dashv$ | +       | +                  | 1                | +           | 1 |       | 139        |                 | $\vdash$        |          |        | $\vdash$ | Н              | $\sqcap$        | 一         | ヿ        |
|  | 40       |                    | $\vdash$       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$     |          | H   | T        |   |             | 90       | Ħ                   | 十        | $\top$   | 十       | T                  | $\vdash$         | +           | 1 |       | 140        |                 | Н               |          |        | Н        | H              | $\sqcap$        | _         | ヿ        |
|  | 41       | $\vdash$           | $\vdash$       | $\neg$    | -        | _        | $\neg$       | $\vdash$ | Т   | Г        |   | <u> </u>    | 91       | $\Box$              | 十        | ┰        | $\top$  | T                  | $\vdash$         | $\neg$      | 1 |       | 141        | Г               | Н               |          |        | Н        | П              | $\neg \uparrow$ | $\dashv$  | ヿ        |
|  | 42       | $\vdash$           |                | $\neg$    | 7        | $\neg$   |              |          | Г   | Г        |   |             | 92       | $\Box$              | $\dashv$ | $\top$   | 1       | $\top$             | $\sqcap$         | $\top$      | 1 |       | 142        |                 | П               |          |        | $\Box$   | П              | $\sqcap$        | $\neg$    | $\neg$   |
|  | 43       | Г                  | $\Box$         | $\dashv$  | ┪        | $\neg$   |              |          | Ι-  |          |   |             | 93       | Ħ                   | 十        | _        | 1       | T                  |                  |             |   |       | 143        |                 | $\sqcap$        |          |        | П        | П              | $\Box$          | $\neg$    | $\neg$   |
|  | 44       |                    |                | $\exists$ | ヿ        | $\neg$   |              |          | Г   |          |   |             | 94       | $\Box$              | $\top$   | 1        | $\top$  | 1                  |                  |             | 1 |       | 144        |                 | П               |          |        | $\Box$   |                |                 |           |          |
|  | 45       | Г                  | П              | $\dashv$  | ┪        | $\neg$   |              |          |   |          |   |             | 95       | П                   | 1        | T        | T       | 1                  |                  |             | 1 |       | 145        |                 | П               |          |        |          |                | $\Box$          |           | $\Box$   |
|  | 46       |                    | $\Box$         |           | ┪        |          |              |          | 1   |          |   |             | 96       | Ħ                   | T        | 7        | 1       | 1                  |                  | $\top$      |   |       | 146        |                 | П               |          |        | $\Box$   |                | $\sqcap$        | $\neg$    | $\Box$   |
|  | 47       |                    |                | 1         | コ        |          |              |          | Γ   |          |   |             | 97       | П                   | 寸        | 十        | $\top$  | 1                  |                  |             | 1 |       | 147        |                 |                 |          |        |          |                |                 |           | $\Box$   |
|  | 48       |                    |                | T         | 1        |          | $\neg$       |          | Г   | Г        |   |             | 98       | $\Box$              | 寸        | 十        | $\top$  | T                  | $\Box$           | $\top$      | 1 |       | 148        | П               |                 |          |        | П        |                |                 | $\exists$ | コ        |
|  | 49       | Γ                  | $\Box$         | $\neg$    | $\neg$   | 一        |              |          |   | Г        |   |             | 99       | П                   | 寸        | $\top$   | $\top$  | T                  | $\Box$           | $\top$      | 1 |       | 149        |                 |                 |          |        |          |                |                 | $\Box$    |          |
|  | 50       |                    |                |           | コ        |          |              |          |   |          |   |             | 100      |                     | $\Box$   |          | T       | Ι                  |                  |             |   |       | 150        |                 |                 |          |        |          |                |                 |           |          |
|  |          |                    |                |           |          |          |              |          |   |          | • |             |          |                     |          |          |         | <del>'</del> —     |                  |             |   |       |            |                 |                 |          |        |          |                |                 |           |          |